

AN AUTONOMIC INPUT/OUTPUT SCHEDULER SELECTOR

Abstract

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The automatic selection of an input/output scheduler in a computing system with a plurality of input/output schedulers is disclosed. Each of the plurality of input/output schedulers is mapped against a corresponding desired set of heuristics. Heuristics relating to job requests submitted by processes in the computer system are monitored and
10 analysed. These heuristics may include the number of read and write requests, the ratio of read requests to write requests, input/output throughput, disk utilization and the average time taken for processes to submit subsequent jobs once an initial job completes. The analysed heuristics are compared to the desired sets of heuristics for the plurality of input/output schedulers to select one of the plurality of input/output schedulers.

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